Title (en)

MONOCLONAL ANTIBODIES HAVING HOMOSUBTYPE CROSS -NEUTRALIZATION PROPERTIES AGAINST INFLUENZA A VIRUSES SUBTYPE H1

Title (de)

MONOKLONALE ANTIKÖRPER MIT HOMOSUBTYP-KREUZNEUTRALISIERUNGSEIGENSCHAFTEN GEGEN INFLUENZA-A-VIREN VOM SUBTYP H1

Title (fr)

ANTICORPS MONOCLONAUX AYANT DES PROPRIÉTÉS DE NEUTRALISATION CROISÉE DU MÊME SOUS-TYPE CONTRE LE SOUS-TYPE H1 DU VIRUS DE LA GRIPPE A

Publication

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Application

EP 09754293 A 20090527

Priority

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- IT TO20080398 A 20080527

Abstract (en)

[origin: WO2009144667A1] A monoclonal antibody directed against the influenza A virus is described, which is capable of binding human and animal isolates of influenza A viruses expressing the HI -subtype hemagglutinin. A preferred embodiment is the antibody designated as Fab49, which shows a neutralizing activity against a plurality of influenza A virus isolates expressing the HI- subtype hemagglutinin, including animal-derived isolates. Anti-idiotype antibodies directed against the monoclonal antibody of the invention, immunogenic or vaccine compositions comprising the monoclonal antibody of the invention are also described, as well as therapeutic, prophylactic and diagnostic applications for the monoclonal antibody of the invention. The monoclonal antibody of the invention can also be employed for testing antibody preparations to be used as vaccines.

IPC 8 full level

C07K 16/10 (2006.01); **A61P 31/16** (2006.01); **G01N 33/569** (2006.01); **G01N 33/577** (2006.01)

CPC (source: EP KR US)

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Citation (opposition)

Opponent :

- WO 2009115972 A1 20090924 - POMONA BIOTECHNOLOGIES LLC [US], et al
- WO 2008028946 A2 20080313 - CRUCELL HOLLAND BV [NL], et al
- KASHYAP A.K. ET AL: "Combinatorial antibody libraries from survivors of the Turkish H5N1 avian influenza outbreak reveal virus neutralization strategies", PNAS, vol. 105, no. 16, 22 April 2008 (2008-04-22), pages 5986 - 5991

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DOCDB simple family (application)

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